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OM protein - protein search, using sw model

Run on: January 18, 2006, 21:30:12 ; Search time 23 Seconds
(without alignments)
406.189 Million cell updates/sec

Title: US-09-357-349D-3
Perfect score: 601
Sequence: 1 AGPGSARAAGARGCRLRS.....VNSTWRTVDRLSATACGCLG 113

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	601	100.0	113	2	US-09-220-528-3
2	601	100.0	113	2	US-09-347-613C-12
3	601	100.0	113	2	US-09-662-183A-12
4	601	100.0	116	2	US-09-220-528-4
5	601	100.0	116	2	US-09-347-613C-11
6	601	100.0	116	2	US-09-662-183A-11
7	601	100.0	140	2	US-09-220-528-5
8	601	100.0	140	2	US-09-347-613C-10
9	601	100.0	140	2	US-09-662-183A-10
10	601	100.0	159	2	US-09-220-528-12
11	601	100.0	159	2	US-09-220-528-89
12	601	100.0	181	2	US-09-220-528-40
13	601	100.0	220	2	US-09-220-528-26
14	601	100.0	220	2	US-09-347-613C-9
15	601	100.0	220	2	US-09-347-613C-35
16	601	100.0	220	2	US-09-662-183A-9
17	601	100.0	220	2	US-09-662-183A-35
18	601	100.0	237	2	US-09-220-528-32
19	589	98.0	113	2	US-09-347-613C-7
20	589	98.0	113	2	US-09-662-183A-7
21	589	98.0	116	2	US-09-347-613C-6
22	589	98.0	116	2	US-09-662-183A-6
23	589	98.0	140	2	US-09-347-613C-5
24	589	98.0	140	2	US-09-662-183A-5
25	588	97.8	237	2	US-09-347-613C-4
26	588	97.8	237	2	US-09-662-183A-4
27	536.5	89.3	200	2	US-09-347-613C-2

28	536.5	89.3	200	2	US-09-662-183A-2	Sequence 2, Appli
29	528	87.9	113	2	US-09-220-528-34	Sequence 34, Appl
30	528	87.9	116	2	US-09-220-528-35	Sequence 35, Appl
31	528	87.9	144	2	US-09-220-528-36	Sequence 36, Appl
32	528	87.9	185	2	US-09-220-528-41	Sequence 41, Appl
33	528	87.9	224	2	US-09-220-528-29	Sequence 29, Appl
34	528	87.9	224	2	US-09-347-613C-16	Sequence 16, Appl
35	528	87.9	224	2	US-09-662-183A-16	Sequence 16, Appl
36	515	85.7	96	2	US-09-220-528-19	Sequence 9, Appl
37	515	85.7	96	2	US-09-473-551-9	Sequence 9, Appl
38	480	79.9	96	2	US-09-220-528-33	Sequence 33, Appl
39	480	79.9	96	2	US-09-473-551-10	Sequence 10, Appl
40	458	76.2	90	2	US-09-220-528-75	Sequence 75, Appl
41	261.5	43.5	96	2	US-09-473-551-28	Sequence 28, Appl
42	260.5	43.3	89	2	US-09-473-551-16	Sequence 16, Appl
43	260.5	43.3	108	2	US-09-473-551-15	Sequence 15, Appl
44	259.5	43.2	89	2	US-09-473-551-25	Sequence 25, Appl
45	237	39.4	133	2	US-09-931-858E-132	Sequence 132, App

ALIGNMENTS

RESULT 1
US-09-220-528-3
; Sequence 3, Application US/09220528A
; Patent No. 6284540
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
; FILE REFERENCE: 6029-7998
; CURRENT APPLICATION NUMBER: US/09/220,528A
; CURRENT FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-220-528-3
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Best Local Similarity 100.0%; Pred. No. 1.5e-63;
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Db 61 LLGAGALRPPGSPVQPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113

RESULT 2
US-09-347-613C-12
; Sequence 12, Application US/09347613C
; Patent No. 6593133
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikola
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: No. 6593133el Neurotrophic Factors
; FILE REFERENCE: NeuroSearch 19313-001
; CURRENT APPLICATION NUMBER: US/09/347,613C
; CURRENT FILING DATE: 1999-07-02

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; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (95)
; OTHER INFORMATION: glycosylated asparagine
US-09-347-613C-12

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Best Local Similarity 100.0%; Pred. No. 1.5e-63;
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QY 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
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RESULT 3
US-09-662-183A-12
; Sequence 12, Application US/09662183A
; Patent No. 6734284
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikolaj
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: No. 6734284e1 Neurotrophic Factors
; FILE REFERENCE: 19313-001 DIV
; CURRENT APPLICATION NUMBER: US/09/662,183A
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 09/347,613
; PRIOR FILING DATE: 2000-07-02
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
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; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (95)
; OTHER INFORMATION: glycosylated asparagine
US-09-662-183A-12

Query Match      100.0%; Score 601; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 1.5e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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   |||||

QY 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
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RESULT 4
US-09-220-528-4
; Sequence 4, Application US/09220528A
; Patent No. 6284540
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; APPLICANT: Baloh, Robert H.
; TITLE OF INVENTION: Artemin, A No. 6284540e1 Neurotrophic Factor
; FILE REFERENCE: 6029-7998
; CURRENT APPLICATION NUMBER: US/09/220,528A
; PRIOR FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-220-528-4

Query Match      100.0%; Score 601; DB 2; Length 116;
Best Local Similarity 100.0%; Pred. No. 1.5e-63;
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QY 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
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Db 64 LLGAGALRPPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 116
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RESULT 5
US-09-347-613C-11
; Sequence 11, Application US/09347613C
; Patent No. 6593133
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikolaj
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: No. 6593133e1 Neurotrophic Factors
; FILE REFERENCE: NeuroSearch 19313-001
; CURRENT APPLICATION NUMBER: US/09/347,613C
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
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PRIOR APPLICATION NUMBER: DANISH 1998 01048
PRIOR FILING DATE: 1998-08-19
PRIOR APPLICATION NUMBER: USSN 60/097,774
PRIOR FILING DATE: 1998-08-25
PRIOR APPLICATION NUMBER: DANISH 1998 01260
PRIOR FILING DATE: 1998-10-05
PRIOR APPLICATION NUMBER: USSN 60/103,908
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: DANISH 1998 01265
PRIOR FILING DATE: 1998-10-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 11
LENGTH: 116
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CARBOHYD
LOCATION: (98)
OTHER INFORMATION: glycosylated asparagine
US-09-347-613C-11

Query Match 100.0%; Score 601; DB 2; Length 116;
Best Local Similarity 100.0%; Pred. No. 1.5e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
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RESULT 6
US-09-662-183A-11
Sequence 11, Application US/09662183A
Patent No. 6734284
GENERAL INFORMATION:
APPLICANT: Johansen, Teit E.
APPLICANT: Blom, Nikolaj
APPLICANT: Hansen, Claus
TITLE OF INVENTION: No. 6734284e1 Neurotrophic Factors
FILE REFERENCE: 19313-001 DIV
CURRENT APPLICATION NUMBER: US/09/662.183A
CURRENT FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: DANISH 1998 00904
PRIOR FILING DATE: 1998-07-06
PRIOR APPLICATION NUMBER: USSN 60/092,229
PRIOR FILING DATE: 1998-07-09
PRIOR APPLICATION NUMBER: DANISH 1998 01048
PRIOR FILING DATE: 1998-08-19
PRIOR APPLICATION NUMBER: USSN 60/097,774
PRIOR FILING DATE: 1998-08-25
PRIOR APPLICATION NUMBER: DANISH 1998 01260
PRIOR FILING DATE: 1998-10-05
PRIOR APPLICATION NUMBER: USSN 60/103,908
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: DANISH 1998 01265
PRIOR FILING DATE: 1998-10-06
PRIOR APPLICATION NUMBER: 09/347,613
PRIOR FILING DATE: 2000-07-02
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 11
LENGTH: 116
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CARBOHYD
LOCATION: (98)
OTHER INFORMATION: glycosylated asparagine

US-09-662-183A-11

Query Match 100.0%; Score 601; DB 2; Length 116;
Best Local Similarity 100.0%; Pred. No. 1.5e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 4 AGGPGSARAAGARGCRLRSQLVVPVRLGLGHRSDLVRFRCGSCRRARSPHDLSLAS 63

Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 64 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 116

RESULT 7
US-09-220-528-5
Sequence 5, Application US/09220528A
Patent No. 6284540
GENERAL INFORMATION:
APPLICANT: Milbrandt, Jeffrey D.
APPLICANT: Balch, Robert H.
TITLE OF INVENTION: Artemin, A No. 6284540e1 Neurotrophic Factor
FILE REFERENCE: 6029-7998
CURRENT APPLICATION NUMBER: US/09/220.528A
CURRENT FILING DATE: 1998-12-24
EARLIER APPLICATION NUMBER: 09/218,698
EARLIER FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: 60/108,148
EARLIER FILING DATE: 1998-11-12
EARLIER APPLICATION NUMBER: 09/163,283
EARLIER FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 120
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 140
TYPE: PRT
ORGANISM: Homo sapiens
US-09-220-528-5

Query Match 100.0%; Score 601; DB 2; Length 140;
Best Local Similarity 100.0%; Pred. No. 1.9e-63;
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Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 88 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 140

RESULT 8
US-09-347-613C-10
Sequence 10, Application US/09347613C
Patent No. 6593133
GENERAL INFORMATION:
APPLICANT: Johansen, Teit E.
APPLICANT: Blom, Nikolaj
APPLICANT: Hansen, Claus
TITLE OF INVENTION: No. 6593133e1 Neurotrophic Factors
FILE REFERENCE: NeuroSearch 19313-001
CURRENT APPLICATION NUMBER: US/09/347.613C
CURRENT FILING DATE: 1999-07-02
PRIOR APPLICATION NUMBER: DANISH 1998 00904
PRIOR FILING DATE: 1998-07-06
PRIOR APPLICATION NUMBER: USSN 60/092,229
PRIOR FILING DATE: 1998-07-09
PRIOR APPLICATION NUMBER: DANISH 1998 01048
PRIOR FILING DATE: 1998-08-19
PRIOR APPLICATION NUMBER: USSN 60/097,774
PRIOR FILING DATE: 1998-08-25

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; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 140
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (122)
; OTHER INFORMATION: glycosylated asparagine
US-09-347-613C-10

Query Match      100.0%; Score 601; DB 2; Length 140;
Best Local Similarity 100.0%; Pred. No. 1.9e-63;
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Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
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RESULT 9
US-09-662-183A-10
; Sequence 10, Application US/09662183A
; Patent No. 6734284
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikola
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: No. 6734284el Neurotrophic Factors
; FILE REFERENCE: 19313-001 DIV
; CURRENT APPLICATION NUMBER: US/09/662,183A
; CURRENT FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 09/347,613
; PRIOR FILING DATE: 2000-07-02
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 140
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (122)
; OTHER INFORMATION: glycosylated asparagine
US-09-662-183A-10

Query Match      100.0%; Score 601; DB 2; Length 140;
Best Local Similarity 100.0%; Pred. No. 1.9e-63;
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Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLAS 60
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Db 28 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLAS 87
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Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
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Db 88 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 140
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RESULT 10
US-09-220-528-12
; Sequence 12, Application US/09220528A
; Patent No. 6284540
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; APPLICANT: Baloh, Robert H.
; TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
; FILE REFERENCE: 6029-7998
; CURRENT APPLICATION NUMBER: US/09/220,528A
; CURRENT FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-220-528-12

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Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
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RESULT 11
US-09-220-528-89
; Sequence 89, Application US/09220528A
; Patent No. 6284540
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; APPLICANT: Baloh, Robert H.
; TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
; FILE REFERENCE: 6029-7998
; CURRENT APPLICATION NUMBER: US/09/220,528A
; CURRENT FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-220-528-89
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Db	47	AGPGSRAAAGARGCRLRSQ	LPVPRALGLGHRSD	ELVRFPCSGCRRARSPHDL	SLAS 106
Qy	61	LLGAGALRPPPGSRPVSPQ	CCRPTRYEAVSFMDVNST	WRTVDRLSATACGCLG	113
Db	107	LLGAGALRPPPGSRPVSPQ	CCRPTRYEAVSFMDVNST	WRTVDRLSATACGCLG	159
RESULT 12					
US-09-220-528-40					
Sequence 40,	Application US/09220528A				
Patent No. 6284540					
GENERAL INFORMATION:					
APPLICANT: Milbrandt,	Jeffrey D.				
APPLICANT: Baloh, Robert H.					
TITLE OF INVENTION:	Artemin, A No. 6284540el Neurotrophic Factor				
FILE REFERENCE:	6029-7998				
CURRENT APPLICATION NUMBER:	US/09/220,528A				
CURRENT FILING DATE:	1998-12-24				
EARLIER APPLICATION NUMBER:	09/218,698				
EARLIER FILING DATE:	1998-12-22				
EARLIER APPLICATION NUMBER:	60/108,148				
EARLIER FILING DATE:	1998-11-12				
EARLIER APPLICATION NUMBER:	09/163,283				
EARLIER FILING DATE:	1998-09-29				
NUMBER OF SEQ ID NOS:	120				
SOFTWARE:	PatentIn Ver. 2.0				
SEQ ID NO 40					
LENGTH:	181				
TYPE:	PRT				
ORGANISM:	Homo sapiens				
US-09-220-528-40					
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Best Local Similarity	100.0%;	Pred. No. 2.6e-63;			
Matches 113;	Conservative	0;	Mismatches	0;	Indels 0;
Gaps	0;				
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Db	69	AGPGSRAAAGARGCRLRSQ	LPVPRALGLGHRSD	ELVRFPCSGCRRARSPHDL	SLAS 128
Qy	61	LLGAGALRPPPGSRPVSPQ	CCRPTRYEAVSFMDVNST	WRTVDRLSATACGCLG	113
Db	129	LLGAGALRPPPGSRPVSPQ	CCRPTRYEAVSFMDVNST	WRTVDRLSATACGCLG	181
RESULT 13					
US-09-220-528-26					
Sequence 26,	Application US/09220528A				
Patent No. 6284540					
GENERAL INFORMATION:					
APPLICANT: Milbrandt,	Jeffrey D.				
APPLICANT: Baloh, Robert H.					
TITLE OF INVENTION:	Artemin, A No. 6284540el Neurotrophic Factor				
FILE REFERENCE:	6029-7998				
CURRENT APPLICATION NUMBER:	US/09/220,528A				
CURRENT FILING DATE:	1998-12-24				
EARLIER APPLICATION NUMBER:	09/218,698				
EARLIER FILING DATE:	1998-11-12				
EARLIER APPLICATION NUMBER:	60/108,148				
EARLIER FILING DATE:	1998-09-29				
NUMBER OF SEQ ID NOS:	120				
SOFTWARE:	PatentIn Ver. 2.0				
SEQ ID NO 26					
LENGTH:	220				
TYPE:	PRT				
ORGANISM:	Homo sapiens				
US-09-220-528-26					
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Best Local Similarity	100.0%;	Pred. No. 3.4e-63;			
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Gaps	0;				
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Db	108	AGPGSRAAAGARGCRLRSQ	LPVPRALGLGHRSD	ELVRFPCSGCRRARSPHDL	SLAS 167
Qy	61	LLGAGALRPPPGSRPVSPQ	CCRPTRYEAVSFMDVNST	WRTVDRLSATACGCLG	113
Db	168	LLGAGALRPPPGSRPVSPQ	CCRPTRYEAVSFMDVNST	WRTVDRLSATACGCLG	220
RESULT 14					
US-09-347-613C-9					
Sequence 9,	Application US/09347613C				
Patent No. 6593133					

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; FILE REFERENCE: NeuroSearch 19313-001
; CURRENT APPLICATION NUMBER: US/09/347,613C
; CURRENT FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: DANISH 1998 01260
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
; LENGTH: 220
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-347-613C-35

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Best Local Similarity 100.0%; Pred. No. 3.4e-63;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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      108  AGGPGSRARAAGARGCRLRSQLVPRALGLGHRSDLVRFRCGSCRCRRARSPHDLSLAS 167
Db

Qy      61  LLGAGALRPPPGSRPVSQPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
      168  LLGAGALRPPPGSRPVSQPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 220
Db

Search completed: January 18, 2006, 21:37:59
Job time : 23 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 18, 2006, 21:37:03 ; Search time 116 Seconds
(without alignments)
407.023 Million cell updates/sec

Title: US-09-357-349d-3
Perfect score: 601
Sequence: 1 AGGPGSRRARAGAGCRLRS.....VNSTWRTVDLSATACGCLG 113

Scoring table: BLOSUM62
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Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:
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2: /cgm2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
3: /cgm2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
4: /cgm2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
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6: /cgm2_6/ptodata/1/pubpaa/US11_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	601	100.0	113	3	US-09-220-920-3
2	601	100.0	113	3	US-09-804-615-12
3	601	100.0	113	4	US-10-669-853-13
4	601	100.0	113	4	US-10-661-984A-12
5	601	100.0	113	5	US-10-806-793-12
6	601	100.0	113	5	US-10-451-567-1
7	601	100.0	113	5	US-10-864-891-14
8	601	100.0	113	5	US-10-356-264A-2
9	601	100.0	113	5	US-10-794-801-1
10	601	100.0	113	6	US-11-074-498-3
11	601	100.0	114	3	US-09-804-615-37
12	601	100.0	114	4	US-10-661-984A-54
13	601	100.0	116	3	US-09-220-920-4
14	601	100.0	116	3	US-09-804-615-11
15	601	100.0	116	4	US-10-669-853-12
16	601	100.0	116	4	US-10-661-984A-11
17	601	100.0	116	5	US-10-806-793-11
18	601	100.0	116	5	US-10-864-891-13
19	601	100.0	116	5	US-10-356-264A-7
20	601	100.0	132	5	US-10-864-891-9
21	601	100.0	132	5	US-10-864-891-32
22	601	100.0	135	3	US-09-804-615-40
23	601	100.0	135	4	US-10-661-984A-57
24	601	100.0	135	5	US-10-356-264A-36
25	601	100.0	139	6	US-11-074-498-4
26	601	100.0	140	3	US-09-220-920-5
27	601	100.0	140	3	US-09-804-615-10

ALIGNMENTS

RESULT 1

US-09-220-920-3

; Sequence 3, Application US/09220920

; Patent No. US20020002269A1

; GENERAL INFORMATION:

; APPLICANT: Milbrandt, Jeffrey D.

; APPLICANT: Baloch, Robert H.

; TITLE OF INVENTION: Artemin, A No. US20020002269A1el Neurotrophic Factor

; FILE REFERENCE: 6029-7996

; CURRENT APPLICATION NUMBER: US/09/220,920

; CURRENT FILING DATE: 1998-12-24

; EARLIER APPLICATION NUMBER: 09/163,283

; EARLIER FILING DATE: 1998-09-29

; EARLIER APPLICATION NUMBER: 60/108,148

; EARLIER FILING DATE: 1998-11-12

; EARLIER APPLICATION NUMBER: 09/218,698

; EARLIER FILING DATE: 1998-12-22

; NUMBER OF SEQ ID NOS: 120

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 3

; LENGTH: 113

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-220-920-3

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Best Local Similarity 100.0%; Pred. No. 5.4e-48;

Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 AGGPGSRRARAGAGCRLRSQVVRALGLGHRSDLVRFPCSGCRRARSPHDLISAS 60

Qy 61 LLGAGALRPPGSRPVSPQCCPRTRYEAVSFMDVNSTWRTVDLSATACGCLG 113

Db 61 LLGAGALRPPGSRPVSPQCCPRTRYEAVSFMDVNSTWRTVDLSATACGCLG 113

RESULT 2

US-09-804-615-12

; Sequence 12, Application US/09804615

; Patent No. US20020055467A1

; GENERAL INFORMATION:

; APPLICANT: Johansen, Teit E.

; APPLICANT: Wen-Yee Saw, Dinah

; TITLE OF INVENTION: No. US20020055467A1el Neurotrophic Factors

; FILE REFERENCE: No. US20020055467A1el Neurotrophic Factors

; CURRENT APPLICATION NUMBER: US/09/804,615

; CURRENT FILING DATE: 2001-03-12

; PRIOR APPLICATION NUMBER: DANISH 1998 00904

Sequence 11, Appl
Sequence 10, Appl
Sequence 10, Appl
Sequence 21, Appl
Sequence 6, Appl
Sequence 26, Appl
Sequence 30, Appl
Sequence 12, Appl
Sequence 89, Appl
Sequence 31, Appl
Sequence 7, Appl
Sequence 25, Appl
Sequence 40, Appl
Sequence 26, Appl
Sequence 9, Appl
Sequence 56, Appl
Sequence 318, App
Sequence 318, App

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; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: U.S.N 09/347,613
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (95)
; OTHER INFORMATION: glycosylated asparagine
US-09-804-615-12

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Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 AGGPGSARAAGAGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLSLAS 60

QY 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113
DB 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113

RESULT 3
US-10-669-853-13
; Sequence 13, Application US/10669853
; Publication No. US20040077543A1
; GENERAL INFORMATION:
; APPLICANT: Biogen, Inc.
; TITLE OF INVENTION: Treatment Using Neublastin Polypeptides
; FILE REFERENCE: 00689-507 (All) utility
; CURRENT APPLICATION NUMBER: US/10/669,853
; CURRENT FILING DATE: 2003-09-24
; PRIOR APPLICATION NUMBER: USSN 60/287,554
; PRIOR FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (95)
; OTHER INFORMATION: glycosylated asparagine
US-10-669-853-13

Query Match          100.0%; Score 601; DB 4; Length 113;
Best Local Similarity 100.0%; Pred. No. 5.4e-48;
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DB 1 AGGPGSARAAGAGCRLRSQLVPRALGLGHRSDLVRFRCGSCRRARSPHDLSLAS 60

QY 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113
DB 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113
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DB 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113

RESULT 4
US-10-661-984A-12
; Sequence 12, Application US/10661984A
; Publication No. US20040142418A1
; GENERAL INFORMATION:
; APPLICANT: Biogen Idec Ma Inc.
; APPLICANT: NSGene
; APPLICANT: Johansen, Teit E.
; APPLICANT: Sah, Dinah Wen-Yee
; APPLICANT: Rossomando, Anthony
; TITLE OF INVENTION: Novel Neurotrophic Factors
; FILE REFERENCE: C045 US CP2
; CURRENT APPLICATION NUMBER: US/10/661,984A
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: PCT
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: Danish 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: 60/092229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: Danish 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: 60/097774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/103908
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (95)...(95)
; OTHER INFORMATION: glycosylated asparagine
US-10-661-984A-12

Query Match          100.0%; Score 601; DB 4; Length 113;
Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113
DB 61 LLGAGALRPPPGSRPVSPCCRPTRYEAVSPMDVNSTWRTVDRLSATACGCLG 113

RESULT 5
US-10-806-793-12
; Sequence 12, Application US/10806793
; Publication No. US20040230043A1
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Blom, Nikolaj
; APPLICANT: Hansen, Claus
; TITLE OF INVENTION: Novel Neurotrophic Factors
; FILE REFERENCE: 19313-001 DIV
; CURRENT APPLICATION NUMBER: US/10/806,793
; CURRENT FILING DATE: 2004-03-22
; PRIOR APPLICATION NUMBER: US/09/662,183
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
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;; PRIOR FILING DATE: 1998-08-19
;; PRIOR APPLICATION NUMBER: USSN 60/097,774
;; PRIOR FILING DATE: 1998-08-25
;; PRIOR APPLICATION NUMBER: DANISH 1998 01260
;; PRIOR FILING DATE: 1998-10-05
;; PRIOR APPLICATION NUMBER: USSN 60/103,908
;; PRIOR FILING DATE: 1998-10-13
;; PRIOR APPLICATION NUMBER: DANISH 1998 01265
;; PRIOR FILING DATE: 1998-10-06
;; PRIOR APPLICATION NUMBER: 09/347,613
;; PRIOR FILING DATE: 2000-07-02
;; NUMBER OF SEQ ID NOS: 43
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 12
;; LENGTH: 113
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: CARBOHYD
;; LOCATION: (95)
;; OTHER INFORMATION: glycosylated asparagine
US-10-806-793-12

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Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 AGGPGSRAAAGARGCRLRSQVLPVRLGLGHRSDLVRFPCSGCRRARSPHDLSLAS 60

Qy 61 LLGAGALRPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 61 LLGAGALRPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113

RESULT 6
US-10-451-567-1
;; Sequence 1, Application US/10451567
;; Publication No. US2004024272A1
;; GENERAL INFORMATION:
;; APPLICANT: Shelton, David L.
;; APPLICANT: Phillips, Heidi S.
;; TITLE OF INVENTION: New Use Of Artemin, A Member of the GDNF
;; FILE REFERENCE: 39766-0042R1
;; CURRENT APPLICATION NUMBER: US/10/451,567
;; CURRENT FILING DATE: 2003-06-20
;; PRIOR APPLICATION NUMBER: PCT/US01/50112
;; PRIOR FILING DATE: 2001-12-19
;; PRIOR APPLICATION NUMBER: 60/257,601
;; PRIOR FILING DATE: 2000-12-22
;; NUMBER OF SEQ ID NOS: 7
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 1
;; LENGTH: 113
;; TYPE: PRT
;; ORGANISM: Homo Sapiens
US-10-451-567-1

Query Match 100.0%; Score 601; DB 5; Length 113;
Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGPGSRAAAGARGCRLRSQVLPVRLGLGHRSDLVRFPCSGCRRARSPHDLSLAS 60
Db 1 AGGPGSRAAAGARGCRLRSQVLPVRLGLGHRSDLVRFPCSGCRRARSPHDLSLAS 60

Qy 61 LLGAGALRPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 61 LLGAGALRPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113

RESULT 7
US-10-864-891-14
;; Sequence 14, Application US/10864891
;; Publication No. US20050089960A1
;; GENERAL INFORMATION:
;; APPLICANT: NsGene A/S
;; APPLICANT: Gronborg, Mette
;; APPLICANT: Wahlberg, Lars
;; APPLICANT: Torno, Jens
;; APPLICANT: Kusk, Philip
;; TITLE OF INVENTION: Improved secretion of Neublabin
;; FILE REFERENCE: P 951 US00
;; CURRENT APPLICATION NUMBER: US/10/864,891
;; CURRENT FILING DATE: 2004-06-10
;; NUMBER OF SEQ ID NOS: 37
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 14
;; LENGTH: 113
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-864-891-14

Query Match 100.0%; Score 601; DB 5; Length 113;
Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 AGGPGSRAAAGARGCRLRSQVLPVRLGLGHRSDLVRFPCSGCRRARSPHDLSLAS 60

Qy 61 LLGAGALRPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 61 LLGAGALRPPGSRPVSPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113

RESULT 8
US-10-356-264A-2
;; Sequence 2, Application US/10356264A
;; Publication No. US20050142098A1
;; GENERAL INFORMATION:
;; APPLICANT: Sah, Dinah Wen-Yee
;; APPLICANT: Pepinsky, R. Blake
;; APPLICANT: Boriack-Sjodin, Paula Ann
;; APPLICANT: Miller, Stephan S.
;; APPLICANT: Rosomando, Anthony
;; APPLICANT: Silvian, Laura
;; TITLE OF INVENTION: POLYMER CONJUGATES OF MUTATED NEUBLASTIN
;; FILE REFERENCE: 13751-053001 / All US CIP
;; CURRENT APPLICATION NUMBER: US/10/356,264A
;; CURRENT FILING DATE: 2003-01-31
;; PRIOR APPLICATION NUMBER: PCT/US02/02319
;; PRIOR FILING DATE: 2002-01-25
;; PRIOR APPLICATION NUMBER: US 60/266,071
;; PRIOR FILING DATE: 2001-02-01
;; NUMBER OF SEQ ID NOS: 36
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 2
;; LENGTH: 113
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; NAME/KEY: VARIANT
;; LOCATION: (1)---(113)
;; OTHER INFORMATION: mature NEN113
US-10-356-264A-2

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Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 AGGPGSRAAAGARGCRLRSQVLPVRLGLGHRSDLVRFPCSGCRRARSPHDLSLAS 60

Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113
Db 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113

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US-10-794-801-1
; Sequence 1, Application US/10794801
; Publication No. US20050181991A1
; GENERAL INFORMATION:
; APPLICANT: Shelton, David L.
; APPLICANT: Phillips, Heidi S.
; TITLE OF INVENTION: New Use of Artemin, A Member of the GDNF
; FILE REFERENCE: 39766-0042R1
; CURRENT APPLICATION NUMBER: US/10/794,801
; PRIOR FILING DATE: 2004-03-05
; PRIOR FILING DATE: US/10/451,567
; PRIOR FILING DATE: 2003-06-20
; PRIOR APPLICATION NUMBER: PCT/US01/50112
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,601
; PRIOR FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-794-801-1

Query Match 100.0%; Score 601; DB 5; Length 113;
Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVPRFCGSCRRARSPHDLSLAS 60
Db 1 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVPRFCGSCRRARSPHDLSLAS 60
Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113
Db 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113

RESULT 10

US-11-074-498-3
; Sequence 3, Application US/11074498
; Publication No. US2005023359A1
; GENERAL INFORMATION:
; APPLICANT: Geerts, Hugo
; APPLICANT: Masure, Stefan
; APPLICANT: Cik, Mirosław
; APPLICANT: Meert, Theo
; APPLICANT: Ver Donck, Luc
; TITLE OF INVENTION: NEUROTROPHIC GROWTH FACTOR
; FILE REFERENCE: 43962-010700
; CURRENT APPLICATION NUMBER: US/11/074,498
; CURRENT FILING DATE: 2005-03-08
; PRIOR APPLICATION NUMBER: US/09/357,349
; PRIOR FILING DATE: 1999-07-14
; PRIOR APPLICATION NUMBER: 09/327,668
; PRIOR FILING DATE: 1999-06-08
; PRIOR APPLICATION NUMBER: 09/248,772
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: GB 9815283.8
; PRIOR FILING DATE: 1998-07-14
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens

US-11-074-498-3

Query Match 100.0%; Score 601; DB 6; Length 113;
Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVPRFCGSCRRARSPHDLSLAS 60
Db 1 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVPRFCGSCRRARSPHDLSLAS 60
Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113
Db 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113

RESULT 11

US-09-804-615-37
; Sequence 37, Application US/09804615
; Patent No. US20020055467A1
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Wen-Yee Saw, Dinah
; TITLE OF INVENTION: No. US20020055467A1el Neurotrophic Factors
; FILE REFERENCE: No. US20020055467A1el Neurotrophic Factors
; CURRENT APPLICATION NUMBER: US/09/804,615
; CURRENT FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: U.S.N 09/347,613
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:synthetic
; OTHER INFORMATION: Neublartin
US-09-804-615-37

Query Match 100.0%; Score 601; DB 3; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVPRFCGSCRRARSPHDLSLAS 60
Db 2 AGGPGSRAAAGARGCRLRSQLVPRALGLGHRSDLVPRFCGSCRRARSPHDLSLAS 61
Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 113
Db 62 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATAACGCLG 114
RESULT 12
US-10-661-984A-54
; Sequence 54, Application US/10661984A
; Publication No. US20040142418A1
; GENERAL INFORMATION:
; APPLICANT: Biogen Idec Ma Inc.
; APPLICANT: NSGene
; APPLICANT: Johansen, Teit E.
; APPLICANT: Sah, Dinah Wen-Yee

```

; APPLICANT: Rossonando, Anthony
; TITLE OF INVENTION: Novel Neurotrophic Factors
; FILE REFERENCE: C045 US CP2
; CURRENT APPLICATION NUMBER: US/10/661,984A
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: PCT
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: Danish 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: 60/092229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: Danish 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: 60/097774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 60/103908
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic gene
; OTHER INFORMATION: for Neublastin
; US-10-661-984A-54

Query Match          100.0%; Score 601; DB 4; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.4e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGPGSRAAAGARGCRLRSQVVPVRLGLGHRSDLVVRFPCSGSCRRARSPHDLSLAS 60
Db 2 AGGPGSRAAAGARGCRLRSQVVPVRLGLGHRSDLVVRFPCSGSCRRARSPHDLSLAS 61

Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 62 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 114

RESULT 13
US-09-220-920-4
; Sequence 4, Application US/09220920
; Patent No. US2002002269A1
; GENERAL INFORMATION:
; APPLICANT: Milbrandt, Jeffrey D.
; APPLICANT: Baloh, Robert H.
; TITLE OF INVENTION: Artemin, A No. US20020002269A1el Neurotrophic Factor
; FILE REFERENCE: 6029-7996
; CURRENT APPLICATION NUMBER: US/09/220,920
; CURRENT FILING DATE: 1998-12-24
; EARLIER APPLICATION NUMBER: 09/163,283
; EARLIER FILING DATE: 1998-09-29
; EARLIER APPLICATION NUMBER: 60/108,148
; EARLIER FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/218,698
; EARLIER FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-220-920-4

Query Match          100.0%; Score 601; DB 3; Length 116;
Best Local Similarity 100.0%; Pred. No. 5.5e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGPGSRAAAGARGCRLRSQVVPVRLGLGHRSDLVVRFPCSGSCRRARSPHDLSLAS 60
Db 4 AGGPGSRAAAGARGCRLRSQVVPVRLGLGHRSDLVVRFPCSGSCRRARSPHDLSLAS 63

RESULT 15
US-10-669-853-12
; Sequence 12, Application US/10669853
; Publication No. US20040077543A1
; GENERAL INFORMATION:
; APPLICANT: Biogen, Inc.
; APPLICANT: Sah, Dinah Wen-Yee
; TITLE OF INVENTION: Treatment Using Neublastin Polypeptides
; FILE REFERENCE: 00689-507 (A118) utility
; CURRENT APPLICATION NUMBER: US/10/669,853
; CURRENT FILING DATE: 2003-09-24
; PRIOR APPLICATION NUMBER: USSN 60/287,554
; PRIOR FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 116
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Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 64 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 116

RESULT 14
US-09-804-615-11
; Sequence 11, Application US/09804615
; Patent No. US20020055467A1
; GENERAL INFORMATION:
; APPLICANT: Johansen, Teit E.
; APPLICANT: Wen-Yee Saw, Dinah
; TITLE OF INVENTION: No. US20020055467A1el Neurotrophic Factors
; FILE REFERENCE: No. US20020055467A1el Neurotrophic Factors
; CURRENT APPLICATION NUMBER: US/09/804,615
; CURRENT FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: DANISH 1998 00904
; PRIOR FILING DATE: 1998-07-06
; PRIOR APPLICATION NUMBER: USSN 60/092,229
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: DANISH 1998 01048
; PRIOR FILING DATE: 1998-08-19
; PRIOR APPLICATION NUMBER: USSN 60/097,774
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: USSN 60/103,908
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: DANISH 1998 01265
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: U.S.S.N 09/347,613
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (98)
; OTHER INFORMATION: glycosylated asparagine
; US-09-804-615-11

Query Match          100.0%; Score 601; DB 3; Length 116;
Best Local Similarity 100.0%; Pred. No. 5.5e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGPGSRAAAGARGCRLRSQVVPVRLGLGHRSDLVVRFPCSGSCRRARSPHDLSLAS 60
Db 4 AGGPGSRAAAGARGCRLRSQVVPVRLGLGHRSDLVVRFPCSGSCRRARSPHDLSLAS 63

Qy 61 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db 64 LLGAGALRPPPGSRPVSPQCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 116

RESULT 15
US-10-669-853-12
; Sequence 12, Application US/10669853
; Publication No. US20040077543A1
; GENERAL INFORMATION:
; APPLICANT: Biogen, Inc.
; APPLICANT: Sah, Dinah Wen-Yee
; TITLE OF INVENTION: Treatment Using Neublastin Polypeptides
; FILE REFERENCE: 00689-507 (A118) utility
; CURRENT APPLICATION NUMBER: US/10/669,853
; CURRENT FILING DATE: 2003-09-24
; PRIOR APPLICATION NUMBER: USSN 60/287,554
; PRIOR FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 116
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; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CARBOHYD
; LOCATION: (98)
; OTHER INFORMATION: glycosylated asparagine
US-10-669-853-12

Query Match      100.0%; Score 601; DB 4; Length 116;
Best Local Similarity 100.0%; Pred. No. 5.5e-48;
Matches 113; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 AGPGSRARAAGAGCGLRSLQVVRALGLGHRSDLVRRFCGSCGCRARRSPHDLSLAS 60
Db      4 AGPGSRARAAGAGCGLRSLQVVRALGLGHRSDLVRRFCGSCGCRARRSPHDLSLAS 63

Qy      61 LLGAGALRPPPGSRPVSQPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 113
Db      64 LLGAGALRPPPGSRPVSQPCCRPTRYEAVSFMDVNSTWRTVDRLSATACGCLG 116

Search completed: January 18, 2006, 21:47:54
Job time : 116 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 18, 2006, 21:37:34 ; Search time 31 Seconds
(without alignments)
36.940 Million cell updates/sec

Title: US-09-357-349D-3
Perfect score: 601
Sequence: 1 AGPGSRARAGRCRLRS.....VNSTWRTVDRLSATACGLG 113

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 70606 seqs, 10133881 residues

Total number of hits satisfying chosen parameters: 70606

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA New:*
1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB pep.*
2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB pep.*
3: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB pep.*
4: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB pep.*
5: /cgn2_6/ptodata/1/pubpaa/US03_NEW_PUB pep.*
6: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB pep.*
7: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB pep.*
8: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	167.5	27.9	133	7	US-11-149-462-5
2	84	14.0	107	6	US-10-816-768-58
3	83.5	13.9	308	6	US-10-821-234-1332
4	83.5	13.9	308	6	US-10-995-561-944
5	83.5	13.9	372	6	US-10-650-326B-13
6	81.5	13.6	641	6	US-10-848-976-1
7	79	13.1	105	6	US-10-816-768-61
8	79	13.1	367	6	US-10-821-234-1058
9	78	13.0	239	6	US-10-821-234-1186
10	77.5	12.9	455	6	US-10-650-326B-14
11	73.5	12.2	139	6	US-10-650-326B-6
12	73.5	12.2	399	6	US-10-650-326B-23
13	73.5	12.2	399	7	US-11-051-568-27
14	73	12.1	203	6	US-10-816-768-100
15	72.5	12.1	118	6	US-10-816-768-48
16	72	12.0	1377	6	US-10-821-234-1070
17	71	11.8	364	7	US-11-108-528-38
18	71	11.8	365	7	US-11-108-528-36
19	69.5	11.6	98	6	US-10-816-768-42
20	69.5	11.6	102	6	US-10-816-768-47
21	69.5	11.6	102	6	US-10-816-768-53
22	69.5	11.6	112	7	US-11-082-884-1
23	69.5	11.6	438	6	US-10-650-326B-9
24	69.5	11.6	513	6	US-10-650-326B-16
25	69.5	11.6	513	7	US-11-000-463-816

26	69	11.5	103	6	US-10-816-768-50	Sequence 50, Appl
27	69	11.5	472	6	US-10-650-326B-12	Sequence 12, Appl
28	69	11.5	472	7	US-11-092-353-3	Sequence 3, Appl
29	69	11.5	478	7	US-11-092-353-4	Sequence 4, Appl
30	69	11.5	588	6	US-10-650-326B-7	Sequence 7, Appl
31	68.5	11.4	1454	7	US-11-109-157A-2	Sequence 2, Appl
32	68.5	11.4	1686	7	US-11-109-157A-1	Sequence 1, Appl
33	68.5	11.4	1686	7	US-11-226-701-2	Sequence 84, Appl
34	67	11.1	102	6	US-10-816-768-84	Sequence 85, Appl
35	67	11.1	102	6	US-10-816-768-86	Sequence 86, Appl
36	66.5	11.1	102	6	US-10-816-768-86	Sequence 25, Appl
37	66.5	11.1	407	7	US-11-051-267-25	Sequence 69, Appl
38	66	11.0	117	6	US-10-816-768-69	Sequence 89, Appl
39	66	11.0	129	6	US-10-816-768-89	Sequence 68, Appl
40	66	11.0	139	6	US-10-816-768-68	Sequence 5, Appl
41	66	11.0	139	6	US-10-650-326B-5	Sequence 21, Appl
42	66	11.0	402	6	US-10-650-326B-21	Sequence 29, Appl
43	66	11.0	402	7	US-11-051-568-29	Sequence 12, Appl
44	66	11.0	1159	6	US-10-613-744-12	Sequence 56, Appl
45	65.5	10.9	102	6	US-10-816-768-56	

ALIGNMENTS

RESULT 1
US-11-149-462-5
; Sequence 5, Application US/11149462
; Publication No. US20060002978A1
; GENERAL INFORMATION:
; APPLICANT: Shea, Lonnie D.
; APPLICANT: Whittlesey, Kevin
; APPLICANT: Rives, Christopher
; APPLICANT: Rovedo, Mark
; APPLICANT: Iskandar, Bermans
; TITLE OF INVENTION: Biodegradable Scaffolds and Uses Thereof
; FILE REFERENCE: 1720-1-011N
; CURRENT APPLICATION NUMBER: US/11/149,462
; CURRENT FILING DATE: 2005-06-09
; PRIOR APPLICATION NUMBER: 60/578,785
; PRIOR FILING DATE: 2004-06-10
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 133
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-149-462-5

Query Match 27.9%; Score 167.5; DB 7; Length 133;
Best Local Similarity 36.9%; Pred. No. 2.2e-11;
Matches 41; Conservative 18; Mismatches 47; Indels 5; Gaps 2;

Qy 3 GPGRARAAGRCRLRSQVPRALGLHGRSDELVRFCGSCRRARSPHDLASLL 62
Db 27 GKRRGQKRGKRGCVLTAHLNVTDLGLGYETKEELIFRYCGSCDAATTVDKILKNLS 86

Qy 63 GAGALRPPGSRPVSPQCRRTRY-EAVSFMDVNSTWRTVDRLSATACGL 112
Db 87 RNRL-----VSDKVGQACCRPIAFDDLLSFLDNLVYHLRKHSARCGCI 133

RESULT 2
US-10-816-768-58
; Sequence 58, Application US/10816768
; Publication No. US20050250936A1
; GENERAL INFORMATION:
; APPLICANT: Oppermann, Hermann
; APPLICANT: Tai, Mei-Sheng
; APPLICANT: McCartney, John
; TITLE OF INVENTION: Modified TGF-beta Superfamily Proteins

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; FILE REFERENCE: STK-075
; CURRENT APPLICATION NUMBER: US/10/816,768
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO 58
; LENGTH: 107
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: GDF-1
US-10-816-768-58

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Query Match          14.0%; Score 84; DB 6; Length 107;
Best Local Similarity 31.2%; Pred. No. 0.014;
Matches 35; Conservative 10; Mismatches 45; Indels 22; Gaps 8;

QY 16 CRLRSQVPRALGLGHR-----SDELVFRFCGSGC-----RRARSPHDLS---LASILG 63
Db 1 CTRRLHVSFRVGVG-WHRWVIAPRGFLANFCQGTCTALPETLGGPGPALNHAVLRALMH 59

QY 64 AGALRPPGSRPVSPCCPRTYEAVS--FMD--VNSTWRTVDRLSATACGC 111
Db 60 AAA---FTPGA---GSPCCVPERLSVLFDFDSDNVVLRHYEDMVVDVDECGC 106

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RESULT 3
US-10-821-234-1332
; Sequence 1332, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Lebat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: Pf SEQ_genes Version 1.0
; SEQ ID NO 1332
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1332

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Query Match          13.9%; Score 83.5; DB 6; Length 308;
Best Local Similarity 28.8%; Pred. No. 0.049;
Matches 34; Conservative 11; Mismatches 50; Indels 23; Gaps 6;

QY 3 GPGSRARAAGARGCRLRSQVPRALGLGHR--RSDELVFRFCGSGCR---RARSPHDLS 57
Db 206 GPG-----RCRLHVTVASLEDLGNADWVLSPREVQVTCIGACPSQFRAANHQAQI 257

QY 58 LASILGAGALRPPGSRPVSPCCPRTYEAVSFM--DVNSTWRTVDRLSATACGC 112
Db 258 KTSL---HRLKPD-----TVPAPCCVPASYNPMVLIQKTDGTGVSLOTYDILLAKDCHCI 308

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RESULT 4
US-10-995-561-944
; Sequence 944, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561

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; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 944
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-944

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Query Match          13.9%; Score 83.5; DB 6; Length 308;
Best Local Similarity 28.8%; Pred. No. 0.049;
Matches 34; Conservative 11; Mismatches 50; Indels 23; Gaps 6;

QY 3 GPGSRARAAGARGCRLRSQVPRALGLGHR--RSDELVFRFCGSGCR---RARSPHDLS 57
Db 206 GPG-----RCRLHVTVASLEDLGNADWVLSPREVQVTCIGACPSQFRAANHQAQI 257

QY 58 LASILGAGALRPPGSRPVSPCCPRTYEAVSFM--DVNSTWRTVDRLSATACGC 112
Db 258 KTSL---HRLKPD-----TVPAPCCVPASYNPMVLIQKTDGTGVSLOTYDILLAKDCHCI 308

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RESULT 5
US-10-650-326B-13
; Sequence 13, Application US/10650326B
; Publication No. US20050272649A1
; GENERAL INFORMATION:
; APPLICANT: Hruska, Keith A.
; APPLICANT: McCartney, John E.
; APPLICANT: Charette, Marc F.
; TITLE OF INVENTION: CONJOINT ADMINISTRATION OF MORPHOGENS AND ACE INHIBITORS IN
; TITLE OF INVENTION: TREATMENT OF CHRONIC RENAL FAILURE
; FILE REFERENCE: JJG-P01-599
; CURRENT APPLICATION NUMBER: US/10/650,326B
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,431
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-650-326B-13

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Query Match          13.9%; Score 83.5; DB 6; Length 372;
Best Local Similarity 26.5%; Pred. No. 0.06;
Matches 35; Conservative 10; Mismatches 44; Indels 43; Gaps 9;

QY 2 GPGSRARAAGARGCRLRSQVPRALGLGHR--SDELVFRFCGSGCRRARSPHDLS 58
Db 261 GPGG-----ACRARRLYVSFRVGV-WHRWVIAPRGFLANTYCGQCACP----- 303

QY 59 ASILGAGALRPP-----PGSRPVSPCCPRTYEAVS--FMD--VNSTW 99
Db 304 VALSSGGG--FPALNHAVLRALHMAAFGAADL--PCCVPARLSPISVLFFDSDNVLR 359

QY 100 TVDRLSATACGC 111
Db 360 QYEDMVVDVDECGC 371

```

```

RESULT 6
US-10-848-976-1
; Sequence 1, Application US/10848976
; Publication No. US20050260564A1
; GENERAL INFORMATION:
; APPLICANT: Sugden, Bill
; APPLICANT: Wang, Jindong
; APPLICANT: Kennedy, Gregory Dean
; APPLICANT: WAF - Wisconsin Alumni Research Foundation
; TITLE OF INVENTION: A Non-Cytotoxic orip Replicon
; FILE REFERENCE: 800.041US1

```

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; CURRENT APPLICATION NUMBER: US/10/848,976
; CURRENT FILING DATE: 2004-05-19
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 641
; TYPE: PRT
; ORGANISM: Epstein-Barr virus
US-10-848-976-1

Query Match      13.6%; Score 81.5; DB 6; Length 641;
Best Local Similarity 39.7%; Pred. No. 0.17;
Matches 31; Conservative 5; Mismatches 33; Indels 9; Gaps 4;

QY  2  GGGGSRARAAAGRCRLRSQLVPRALGLGHRSDLVRFPCSGCRRARSPHDLSLASL 61
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db  340 GGGGRCR-GGGGRCRGR---ERARG---GSRERARGRCRGRKPRSPSSQSSSS- 391

QY  62  LGAGALRPPPGSRVPSQ 79
    ||:|||||:|||||
Db  392 -GSPRRPPPGRRPFHP 408

RESULT 7
US-10-816-768-61
; Sequence 61, Application US/10816768
; Publication No. US2005025936A1
; GENERAL INFORMATION:
; APPLICANT: Oppermann, Hermann
; APPLICANT: Tai, Mei-Sheng
; APPLICANT: McCartney, John
; TITLE OF INVENTION: Modified TGF-beta Superfamily Proteins
; FILE REFERENCE: STK-075
; CURRENT APPLICATION NUMBER: US/10/816,768
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: Patent in version 2.0
; SEQ ID NO 61
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: INHIBIN-Alpha
US-10-816-768-61

Query Match      13.1%; Score 79; DB 6; Length 105;
Best Local Similarity 26.7%; Pred. No. 0.048;
Matches 24; Conservative 7; Mismatches 31; Indels 28; Gaps 4;

QY  40  FRFCGSCRRARSPHDLSLASLLGAGALRPPPGSRPV-----SQPCC-----R 82
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db  27  PHYCHGGC-GLHIPPNNLSL-----PVGAPPTPAQPYSLLPGAQPCCALPGTMR 75

QY  83  PTRYEAVSFMDVNSTWRTVDRLSATACGL 112
    |||:|||||:|||||
Db  76  PLHVRTTSDGGYFKYETVPNLLTQHCACI 105

RESULT 8
US-10-821-234-1058
; Sequence 1058, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; NUMBER OF SEQ ID NOS: 124
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
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; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1058
; LENGTH: 367
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1058

Query Match      13.1%; Score 79; DB 6; Length 367;
Best Local Similarity 26.7%; Pred. No. 0.18;
Matches 24; Conservative 7; Mismatches 31; Indels 28; Gaps 4;

QY  40  FRFCGSCRRARSPHDLSLASLLGAGALRPPPGSRPV-----SQPCC-----R 82
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db  289 PHYCHGGC-GLHIPPNNLSL-----PVGAPPTPAQPYSLLPGAQPCCALPGTMR 337

QY  83  PTRYEAVSFMDVNSTWRTVDRLSATACGL 112
    |||:|||||:|||||
Db  338 PLHVRTTSDGGYFKYETVPNLLTQHCACI 367

RESULT 9
US-10-821-234-1186
; Sequence 1186, Application US/10821234
; Publication No. US20050255114A1
; GENERAL INFORMATION:
; APPLICANT: Labat, Ivan
; APPLICANT: Stache-Crain, Birgit
; APPLICANT: Andarmani, Susan
; APPLICANT: Tang, Y. Tom
; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
; FILE REFERENCE: 821A
; CURRENT APPLICATION NUMBER: US/10/821,234
; CURRENT FILING DATE: 2004-04-07
; PRIOR APPLICATION NUMBER: US 60/462,047
; PRIOR FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 1704
; SOFTWARE: pt_seq_genes Version 1.0
; SEQ ID NO 1186
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1186

Query Match      13.0%; Score 78; DB 6; Length 239;
Best Local Similarity 31.8%; Pred. No. 0.15;
Matches 34; Conservative 11; Mismatches 40; Indels 22; Gaps 6;

QY  9  RAAAGARGCRLRSQLV-----PVRALGLGHRSDLVRFPCSGCRRARSPHDLSLASLLG 63
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db  71  KAAGLRGCSL---LVFTGGFVGTHG-REGSHVVRSPLCSDGDPRRSCSTAQKPLPT--G 124

QY  64  AGALRPPPGSRPVQPCRCRTRYEAVSFMDVNSTWRTVDRLSATACG 110
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db  125 SG-----PPDPTDTPGRPGSQRTQAGAPHHL-----TVSRIOAVCPG 160

RESULT 10
US-10-650-326B-14
; Sequence 14, Application US/10650326B
; Publication No. US20050272649A1
; GENERAL INFORMATION:
; APPLICANT: Hruska, Keith A.
; APPLICANT: McCartney, John E.
; APPLICANT: Charette, Marc F.
; TITLE OF INVENTION: CONJOINT ADMINISTRATION OF MORPHOGENS AND ACE INHIBITORS IN
; FILE REFERENCE: JJC-P01-599
; CURRENT APPLICATION NUMBER: US/10/650,326B
; CURRENT FILING DATE: 2003-08-28
; PRIOR APPLICATION NUMBER: 60/406,431
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 31
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/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 14
/ LENGTH: 455
/ TYPE: PRT
/ ORGANISM: Drosophila melanogaster
US-10-650-326B-14

Query Match      12.9%; Score 77.5; DB 6; Length 455;
Best Local Similarity 23.4%; Pred. No. 0.32;
Matches 26; Conservative 20; Mismatches 44; Indels 21; Gaps 6;

QY 14 RCRRLRSQVPRALGLGHRSDLVRFRR-----FCGSGRCRRARSPH-----DLSLASLIGA 64
Db 352 RSCQMQLYIDFKDLGW---HDWIIAPGYGAFYCSGECNPLNAHMMNATHAIVQTL-V 407

QY 65 GAIIRPPGSRPVSPQCCRPTRYEAVSFM-----DVNSTWRTVDRLSATACGC 111
Db 408 HLLRP-----KKVPKPCCAPTRLGALPVLVHLNDENVNLKRYRMIVKSCGC 454

RESULT 11
US-10-650-326B-6
/ Sequence 6, Application US/10650326B
/ Publication No. US20050272649A1
/ GENERAL INFORMATION:
/ APPLICANT: Hruska, Keith A.
/ APPLICANT: McCartney, John E.
/ APPLICANT: Charette, Marc F.
/ TITLE OF INVENTION: CONJOINT ADMINISTRATION OF MORPHOGENS AND ACE INHIBITORS IN
/ FILE REFERENCE: JJJ-P01-599
/ CURRENT APPLICATION NUMBER: US/10/650,326B
/ PRIOR FILING DATE: 2003-08-28
/ PRIOR FILING DATE: 2003-08-28
/ PRIOR FILING DATE: 2003-08-28
/ NUMBER OF SEQ ID NOS: 31
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 6
/ LENGTH: 139
/ TYPE: PRT
/ ORGANISM: Mus musculus
US-10-650-326B-6

Query Match      12.2%; Score 73.5; DB 6; Length 139;
Best Local Similarity 26.7%; Pred. No. 0.25;
Matches 35; Conservative 13; Mismatches 40; Indels 43; Gaps 8;

QY 3 GPGSRAAAGARGCRLRSQVPRALG-----LGRSDELVRFRFCSG-----SC 47
Db 29 GHGSRGREV-----CRRHLYVSPFDLGLWLDWVIAPOGYS-----YCEGCAFFLDSC 78

QY 48 RRARSPhDL-SLASLLGAGALRPPGSRP--VSQPCCRPTRYEAVSFMVDVNSTWRTVDR- 103
Db 79 MNATNHAILQSLVHLM-----KPDVVPKACCAPTKLSATSVLYYDSSNNVILRK 127

QY 104 ---LSATACGC 111
Db 128 HRNMVVKACGC 138

RESULT 12
US-10-650-326B-23
/ Sequence 23, Application US/10650326B
/ Publication No. US20050272649A1
/ GENERAL INFORMATION:
/ APPLICANT: Hruska, Keith A.
/ APPLICANT: McCartney, John E.
/ APPLICANT: Charette, Marc F.
/ TITLE OF INVENTION: CONJOINT ADMINISTRATION OF MORPHOGENS AND ACE INHIBITORS IN
/ FILE REFERENCE: JJJ-P01-599
/ CURRENT APPLICATION NUMBER: US/10/650,326B
/ PRIOR FILING DATE: 2003-08-28
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/ PRIOR APPLICATION NUMBER: 60/406,431
/ PRIOR FILING DATE: 2002-08-28
/ NUMBER OF SEQ ID NOS: 31
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 23
/ LENGTH: 399
/ TYPE: PRT
/ ORGANISM: Mus musculus
US-10-650-326B-23

Query Match      12.2%; Score 73.5; DB 6; Length 399;
Best Local Similarity 26.7%; Pred. No. 0.75;
Matches 35; Conservative 13; Mismatches 40; Indels 43; Gaps 8;

QY 3 GPGSRAAAGARGCRLRSQVPRALG-----LGRSDELVRFRFCSG-----SC 47
Db 289 GHGSRGREV-----CRRHLYVSPFDLGLWLDWVIAPOGYS-----YCEGCAFFLDSC 338

QY 48 RRARSPhDL-SLASLLGAGALRPPGSRP--VSQPCCRPTRYEAVSFMVDVNSTWRTVDR- 103
Db 339 MNATNHAILQSLVHLM-----KPDVVPKACCAPTKLSATSVLYYDSSNNVILRK 387

QY 104 ---LSATACGC 111
Db 388 HRNMVVKACGC 398

RESULT 13
US-11-051-568-27
/ Sequence 27, Application US/11051568
/ Publication No. US20050255141A1
/ GENERAL INFORMATION:
/ APPLICANT: OPPERMAN, HERMANN
/ APPLICANT: OZKAYNAK, ENGIN
/ APPLICANT: KUBERASAMPATH, THANGAVEL
/ APPLICANT: RUEGER, DAVID C.
/ APPLICANT: PANG, ROY H.L.
/ TITLE OF INVENTION: OSTEOGENIC DEVICES
/ NUMBER OF SEQUENCES: 33
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: TESTA, HURWITZ & THIBEAULT
/ STREET: 125 HIGH STREET
/ CITY: BOSTON
/ STATE: MASSACHUSETTS
/ COUNTRY: U.S.A.
/ ZIP: 02110
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/11/051,568
/ FILING DATE: 04-Feb-2005
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 10/321,799
/ FILING DATE: 17-DEC-2002
/ APPLICATION NUMBER: US 09/148,925
/ FILING DATE: 8-SEP-1998
/ APPLICATION NUMBER: US 08/449,699
/ FILING DATE: 24-MAY-1995
/ APPLICATION NUMBER: US 08/147,023
/ FILING DATE: 1-NOV-1993
/ APPLICATION NUMBER: US 07/841,646
/ FILING DATE: 21-FEB-1992
/ APPLICATION NUMBER: US 07/827,052
/ FILING DATE: 28-JAN-1992
/ APPLICATION NUMBER: US 07/579,865
/ FILING DATE: 7-SEP-1990
/ APPLICATION NUMBER: US 07/621,849
/ FILING DATE: 4-DEC-1990
/ APPLICATION NUMBER: US 07/621,988
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; FILING DATE: 4-DEC-1990
; APPLICATION NUMBER: US 07/810,560
; FILING DATE: 20-DEC-1991
; APPLICATION NUMBER: US 07/569,920
; FILING DATE: 20-AUG-1990
; APPLICATION NUMBER: US 07/600,024
; FILING DATE: 18-OCT-1990
; APPLICATION NUMBER: US 07/599,543
; FILING DATE: 18-OCT-1990
; APPLICATION NUMBER: US 07/616,374
; FILING DATE: 21-NOV-1990
; APPLICATION NUMBER: US 07/483,913
; FILING DATE: 22-FEB-1990
; APPLICATION NUMBER: US 07/179,406
; FILING DATE: 08-APR-1988
; APPLICATION NUMBER: US 07/232,630
; FILING DATE: 15-AUG-1988
; APPLICATION NUMBER: US 07/315,342
; FILING DATE: 23-FEB-1989
; APPLICATION NUMBER: US 07/660,162
; FILING DATE: 22-FEB-1991
; APPLICATION NUMBER: US 07/422,699
; FILING DATE: 17-OCT-1989
; APPLICATION NUMBER: US 07/422,613
; FILING DATE: 17-OCT-1989
; APPLICATION NUMBER: US 07/422,623
; FILING DATE: 17-OCT-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: DIANA M. STEEL
; REGISTRATION NUMBER: 43,153
; REFERENCE/DOCKET NUMBER: STK-001CP6C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/248-7000
; TELEFAX: 617/248-7100
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-11-051-568-27

Query Match      12.2%; Score 73.5; DB 7; Length 399;
Best Local Similarity 26.7%; Pred. No. 0.75;
Matches 35; Conservative 13; Mismatches 40; Indels 43; Gaps 8;

QY 3 GPGSRARAAGRCRLRSQLVPRALGLGHRSDLV-----LGHRSDELVRFRFCG-----SC 47
DB 289 GHGSRGREV-----CRRHLYSFRDLGMLDWVIAPOGYS-----YYCEGECAPFLDSC 338
QY 48 RRARSPHDL-SLASLLGAGALRPPPGSRP--VSQPCCRPTRYEAVSFMDVNSTWRTVDR- 103
DB 339 MWATHALQSLVLM-----KPDVVPKACCAPTKLSATSVLYYDSSNNVILRK 387
QY 104 ---LSATACGC 111
DB 388 HRNMVVKACGC 398

RESULT 14
US-10-816-768-100
; Sequence 100, Application US/10816768
; Publication No. US20050250936A1
; GENERAL INFORMATION:
; APPLICANT: Oppermann, Hermann
; APPLICANT: Tai, Mei-Sheng
; TITLE OF INVENTION: Modified TGF-beta Superfamily Proteins
; FILE REFERENCE: STK-075
; CURRENT APPLICATION NUMBER: US/10/816,768
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO: 104
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: 60A
US-10-816-768-48

Query Match      12.1%; Score 72.5; DB 6; Length 118;
Best Local Similarity 27.8%; Pred. No. 0.27;
Matches 25; Conservative 10; Mismatches 34; Indels 21; Gaps 5;

QY 42 FCGSGCRRARSPH-----DLSLASLLGAGALRPPP-----GSRPV-SQPCCRPTR 85
DB 29 YCSGECNFPLNAHNMATNHAIVQTLVHLEPKV--PKCCAPTRLGALPVLVHPCCAPTR 87
QY 86 YEAVSFM-----DVNSTWRTVDRLSATACGC 111
DB 88 LGALPVLVHLNDENVNLKKYRNMIKSCGC 117

Search completed: January 18, 2006, 21:48:36
Job time : 31 secs

; SOFTWARE: PatentIn version 2.0
; SEQ ID NO: 100
; LENGTH: 203
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: H2528
US-10-816-768-100

Query Match      12.1%; Score 73; DB 6; Length 203;
Best Local Similarity 25.2%; Pred. No. 0.42;
Matches 32; Conservative 16; Mismatches 53; Indels 26; Gaps 8;

QY 2 GPGSRARAAGRCRLRSQLVPRALGLGHRSDLV-----RFRFCGSC-----RR 49
DB 85 GSGGAGRGHGRGSRCSRKPLHVPKELGW---DWIIAPLDYEAHCEGLCDFPLRS 141
QY 50 ARSP-HDLSLASLLGAGALRPPPGSRPVSQPCCRPTRYEAVSFMDV-----NSTWRTVDR 104
DB 142 HLEPTNHAIQTLLNSMA-----PDAPAS--CCVPARLSPISILYIDAANNVVKYQEDM 195
QY 105 SATACGC 111
DB 196 VVEACGC 202

RESULT 15
US-10-816-768-48
; Sequence 48, Application US/10816768
; Publication No. US20050250936A1
; GENERAL INFORMATION:
; APPLICANT: Oppermann, Hermann
; APPLICANT: Tai, Mei-Sheng
; APPLICANT: McCartney, John
; TITLE OF INVENTION: Modified TGF-beta Superfamily Proteins
; FILE REFERENCE: STK-075
; CURRENT APPLICATION NUMBER: US/10/816,768
; CURRENT FILING DATE: 2004-04-02
; NUMBER OF SEQ ID NOS: 124
; SOFTWARE: PatentIn version 2.0
; SEQ ID NO: 48
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: 60A
US-10-816-768-48

Query Match      12.1%; Score 72.5; DB 6; Length 118;
Best Local Similarity 27.8%; Pred. No. 0.27;
Matches 25; Conservative 10; Mismatches 34; Indels 21; Gaps 5;

QY 42 FCGSGCRRARSPH-----DLSLASLLGAGALRPPP-----GSRPV-SQPCCRPTR 85
DB 29 YCSGECNFPLNAHNMATNHAIVQTLVHLEPKV--PKCCAPTRLGALPVLVHPCCAPTR 87
QY 86 YEAVSFM-----DVNSTWRTVDRLSATACGC 111
DB 88 LGALPVLVHLNDENVNLKKYRNMIKSCGC 117

Search completed: January 18, 2006, 21:48:36
Job time : 31 secs
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